DAY 1

1. Display all the employees whose name starts with any alphabet between B and K

SQL> select \* from emp where ename between 'B%' and 'K%';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

1. Display all employees whose name does not contain the character ‘S’

SQL> select \* from emp where ename not like '%S%';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

9 rows selected.

1. Display all the employees whose salary is between 1000 and 2000 but not exact 1500

SQL> select \* from emp where sal <> 1500 and sal > 1000 and sal < 2000;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

1. Select all the employees who are hired in the year 1981 (year 81)

SQL> select \* from emp where hiredate like '%-%-81';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

10 rows selected.

1. Display all the employees who are hired in February (FEB) month

SQL> select \* from emp where hiredate like '%-FEB-%';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

1. Display all the employees according to their seniority of joining

SQL> select \* from emp order by hiredate;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7369 SMITH CLERK 7902 17-DEC-80 800 20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7839 KING PRESIDENT 17-NOV-81 5000 10

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7934 MILLER CLERK 7782 23-JAN-82 1300 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

14 rows selected.

1. Display the employees who are either ‘Analyst’, ‘President’ or ‘Manager’

SQL> select \* from emp where job in ('ANALYST','PRESIDENT','MANAGER');

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7902 FORD ANALYST 7566 03-DEC-81 3000 20

6 rows selected.

1. Display all the Salesman joined in month of September and getting salary more than or equal to 1500

SQL> select \* from emp where job = 'SALESMAN' and hiredate like '%SEP%' and sal >= 1500;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

1. Display the job type of an employee of department number 30 and getting salary more than 1500

SQL> select job from emp where deptno = 30 and sal >1500;

JOB

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SALESMAN

MANAGER

1. Display the unique job titles of employees in department number 20

SQL> select distinct(job) from emp where deptno=30;

JOB

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SALESMAN

CLERK

MANAGER

1. Display all the employees in a sorted order to their salary highest to lowest, hiredate latest to oldest.

SQL> select \* from emp order by ename desc, hiredate desc;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7369 SMITH CLERK 7902 17-DEC-80 800 20

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7839 KING PRESIDENT 17-NOV-81 5000 10

7566 JONES MANAGER 7839 02-APR-81 2975 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

14 rows selected.

1. Display all the employees in a sorted order of their job title and salary.

SQL> select \* from emp order by job,sal;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7902 FORD ANALYST 7566 03-DEC-81 3000 20

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7369 SMITH CLERK 7902 17-DEC-80 800 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

14 rows selected.

1. Display employees in a sorted order of their salary who are clerk.

SQL> select \* from emp where job='CLERK' order by sal;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7369 SMITH CLERK 7902 17-DEC-80 800 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

1. Display all the managers according to their salary highest to lowest

SQL> select \* from emp where job='MANAGER' order by sal desc;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

1. Display all the employees who have joined either on 3rd or 23rd date of any month in any year.

SQL> select \* from emp where hiredate like '03%' or hiredate like '23%';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10